

**TELECOMMUNICATIONS REGULATORY COMMISSION OF SRI LANKA**

**APPLICATION FORM FOR THE ISSUANCE/MODIFICATION OF RADIO FREQUENCY LICENCE ( UNDER SECTION 22 ) FOR THE OPERATION OF A RADIO FREQUENCY TRANSMITTER IN TV/SOUND BROADCASTING SERVICE**

1. Applicant Name .....

2. Date of commencement .....

3. Operation frequency (MHz) /Channel No & Band (MHz).....

4. Channel Name .....

5. Language .....

6. Service - TV/Radio .....

7. Coverage area (Provincial Basis) .....

8. Site Address .....

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9. Site telephone No. ....

10. Name of the contact person at the site .....

11. Geographical Location

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12. Elevation (m) .....

13. Tower height (m) .....

**Antenna Details**

***Particulars of a Single panel***

10. Make .....

11. Model .....

12. Manufacture's Part Number ..... 13. Gain (dBd) .....  
(Manufacture's technical details should be attached)

**Antenna Configuration**

14. Number of stacks (Faces)  
(Eg. 3)

15. Panels on each stack  
(Eg. 2,3,2)

16. No. of bays  
(Eg.3)

17. No of Panels / Bay  
(Eng 3,3,1)

18. Polarization

19. Beam Tilt or Null fill arrangement used

20. Direction of main Lobe w.r.t.North

21. Antenna Gain (dBd)

22. Antenna height from the base of the tower

(k) AZIMUTH PATTERN

Logarithmic azimuth radiation pattern diagram should be attached separately.

No	Angle (DEG) (w.r.t.North)	Loss (dB) (w.r.t.main lobe)
1	0	
2	10	
3	20	
4	30	
5	40	
6	50	
7	60	
8	70	
9	80	
10	90	
11	100	
12	110	

13	120	
14	130	
15	140	
16	150	
17	160	
18	170	
19	180	
20	190	
21	200	
22	210	
23	220	
24	230	
25	240	
26	250	
27	260	
28	270	
29	280	
30	290	
31	300	
32	310	
33	320	
34	330	
35	340	
36	350	

(I) ELEVATION PATTERN

Logarithmic elevation radiation pattern diagram should be attached separately.

No	Angle (DEG) (w.r.t.North)	Loss (dB) (w.r.t.main lobe)
1	0	
2	10	
3	20	
4	30	
5	40	
6	50	
7	60	
8	70	
9	80	
10	90	
11	100	
12	110	
13	120	

14	130	
15	140	
16	150	
17	160	
18	170	
19	180	

**Transmitter Details**

23. Forward Power(KW)

24. Reflected Power(KW)

25 Maximum Power(KW)

26. Number of Power Amplifiers used

27. Type Solid State

1. Power Amplifier 1

2.Power Amplifier 2

3.Power Amplifier 3

28.Make ..... ..

29. Model ..... ..

30. Serial No..... ..

31.Type of co-channel combiner

**Exciter Details**

32. Make

33.Model

34. Serial No.

35. Output power (W)

36. Modulation Type

37. Baseband input

**Feeder System details**

38.Transmission Cable type

39. Transmission Cable loss/100m

40. Transmission Cable length

**Combiner / Filter Details**

41. Combiner Type

42. Frequencies Combined

43. Loss of the Combiner and Filters

A block schematic should be provided depicting combining principle with all filters

I declare that all the details given in this application form are true and correct and I hereby undertake to inform Telecommunications Regulatory Commission of Sri Lanka, immediately of any charges to the details given in the application form or any document submitted herewith.

Date: .....

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Signature

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Signature

Seal

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Name

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Name